

BIOPOLYMER ARRAYS AND THEIR FABRICATION

ABSTRACT OF THE DISCLOSURE

5 A method of fabricating an addressable array of biopolymer probes on a
substrate according to a target array pattern using a deposition apparatus, and a deposition
apparatus which can execute the method and computer program products for the apparatus.
The deposition apparatus which, when operated according to a target drive pattern based on
nominal operating parameters of the apparatus, provides the probes on the substrate in the
10 target array pattern. The method includes examining at least one operating parameter for an
error from a nominal value which error will result in use of the target drive pattern producing
a discrepancy between the target array pattern and an actual array pattern deposited. When an
error is detected deriving, based on the error, a corrected drive pattern different from the
target drive pattern such that use of the corrected drive pattern results in a reduced
15 discrepancy between the target and actual array patterns.